BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of Work: Improvements to roads & drain at cross roads of Munikondappa Layout in 1st main Shivaram House in Ward No.14, Bagalagunte.

EST.Cost Rs.10.00 Lakhs

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							Est. Cost Rs	10.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount	
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.138/I.19.1 PW, P & IWTD -SR 2014-15)									
		Cum								
			2	41.50	0.80	0.80	53.12	75.60	**4016.00**	
	Basic Rate	70.00								
	Add Area Weightage 8%	5.60								
	Total	**75.60**								
2	KSRRB 300-53. Construction of **embankment** with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications. (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **Page No. 144/ Item No. 19.60/ PWD SR 2014-15**									
		cum	2	41.50	6.00	0.45	224.10			
							224.10	220.32	**49374.00**	
	Basic Rate	204.00								
	Add Area Weightage 8%	16.32								
	Total	**220.32**								
3	KSRB 4-1.3: Providing and laying in position **plain cement** concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2014-15)									
		cum	2	41.50	0.80	0.15	9.96			
	Basic Rate	4488.00					**9.96**	4847.04	**48277.00**	
	Add Area Weightage 8%	359.04								
	Total	**4847.04**								
4	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix **M1:2:4 with** cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2014-15)									

		Cum	2	41.50	0.40	0.075	2.49		
			4	41.50	0.20	0.10	3.32		
	Basic Rate	4933.00					**5.81**	5228.98	**30380.00**
	Add Area Weightage 6%	295.98							
	Total	**5228.98**							
5	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25/ Item No. 5.27/ PWD SR 2014-15**								
		Sqm	4x4	41.50	0.60		398.40		
	Basic Rate	920.00					**398.40**	993.60	**395850.00**
	Add Area Weightage 8%	73.60							
	Total	**993.60**							
6	Supplying and fixing **precast** rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
		Sqm	2x2	41.50	0.90		149.40		
	Data Rates Approved by CE DZ enclosed						**149.40**	1600.00	**239040.00**
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**								
		Cum	Qty Vide Item No. 1				**53.12**	78.24	**4156.00**
	Loading and Unloading Charges	62.20							
	Lead 4 KMs 2x1.28x4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
8	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2014-15, P.No.154, I No.20.18)								
		Cum							
			2	41.50	5.00	0.30	124.50		
	Basic Rate	1332.00					**124.50**	1438.56	**179101.00**
	Add Area Weightage 8%	106.56							
	Total	**1438.56**							

9	Providing and applying **tack coat using 80/100** grade Bitumin (VG 10) on the granualar base such as WBM surfaces hot bitumen primed at 4Kg per 10Sqmtr, heating mitumin in boiler fitted with spray set (exlcuding cleaning of road surface) including cost of all materials, labc , HOM of machineries complete as per specifications Engineer-in-charge of the work (PWDSR 2014-15, P.No.157, I No.21.9)								
		Sqm	2	41.50	5.00	_	415.00	30.24	12550.00
	Basic Rate	28.00							
	Add Area Weightage 8%	2.24							
	Total	**30.24**							
10	Providing and laying **semi dense bituminous concrete** 25 - 30mm compacted thickness with 5% bitumen with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects with 80 / 100 grade bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2014-15, P.No.159, I No. 21.20.2)								
		Cum	2	41.50	5.00	0.03	2.49		
	Basic Rate	9122.00					2.49	9851.76	24531.00
	Area Weightage 8%	729.76							
	Total	**9851.76**							
11	Carraige of Mixed Materials above 15 Km beyound 10Km to 15 Kmslead at P-168, d 15x4.90=73.50	Cum	**Qty Vide Item No 10**				**2.49**	73.50	**183.00**
12	Quality control Test Charges 1%								**10000.00**
13	Miscellaneous and UnforessenCharges								**2542.00**
								Total	**1000000.00**

(Rupees. Ten Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary.

2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

ನಂ. ಆಇ/00/ಡಿಸಿ/22/14-15 ದಿನಾಂಕ: 29/10/14
ರೂ. 10.00 Lakhs
(Rupees ten lakhs only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Assistant Engineer
Ward-14

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29/10/14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.